RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/783,672 A

Source: TFwo

Date Processed by STIC: 12-8-04

ENTERED

RAW SEQUENCE LISTING   DATE: 12/08/2004
PATENT APPLICATION: US/10/783,672A   TIME: 16:24:45

Input Set : A:\Slk2019u.app
Output Set: N:\CRF4\12072004\J783672A.raw

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 3 <110> APPLICANT: EMERSON, BEVERLY MARIE
 4        KADAM, SHILPA B.
 6 <120> TITLE OF INVENTION: METHODS OF MODULATING GENE EXPRESSION
 8 <130> FILE REFERENCE: SLK-2019-UT
10 <140> CURRENT APPLICATION NUMBER: 10/783,672A
11 <141> CURRENT FILING DATE: 2004-02-20
13 <150> PRIOR APPLICATION NUMBER: 60/450,771
14 <151> PRIOR FILING DATE: 2003-02-26
16 <160> NUMBER OF SEQ ID NOS: 4
18 <170> SOFTWARE: PatentIn Ver. 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 26
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
27        peptide motif
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30 <221> NAME/KEY: MOD_RES
31 <222> LOCATION: (1)
32 <223> OTHER INFORMATION: Tyr or Phe
34 <220> FEATURE:
35 <221> NAME/KEY: MOD_RES
36 <222> LOCATION: (2)
37 <223> OTHER INFORMATION: Variable amino acid
39 <220> FEATURE:
40 <221> NAME/KEY: MOD_RES
41 <222> LOCATION: (4)..(7)
42 <223> OTHER INFORMATION: This region may encompass 2 to 4 variable amino
43        acid residues.
45 <220> FEATURE:
46 <221> NAME/KEY: MOD_RES
47 <222> LOCATION: (9)..(11)
48 <223> OTHER INFORMATION: Variable amino acid
50 <220> FEATURE:
51 <221> NAME/KEY: MOD_RES
52 <222> LOCATION: (12)
53 <223> OTHER INFORMATION: Phe or Tyr
55 <220> FEATURE:
56 <221> NAME/KEY: MOD_RES
57 <222> LOCATION: (13)..(17)
58 <223> OTHER INFORMATION: Variable amino acid
60 <220> FEATURE:
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 62 <222> LOCATION: (19)..(20)
 63 <223> OTHER INFORMATION: Variable amino acid
 65 <220> FEATURE:
 66 <221> NAME/KEY: MOD_RES
 67 <222> LOCATION: (22)..(25)
 68 <223> OTHER INFORMATION: This region may encompass 3 to 4 variable amino
 69       acid residues.
 71 <400> SEQUENCE: 1
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W--> 72 Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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 73    1               5                   10                  15
 75 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
 76               20                  25
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 80 <211> LENGTH: 56
 81 <212> TYPE: PRT
 82 <213> ORGANISM: Artificial Sequence
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 86       peptide motif
 88 <220> FEATURE:
 89 <221> NAME/KEY: MOD_RES
 90 <222> LOCATION: (2)..(3)
 91 <223> OTHER INFORMATION: Variable amino acid
 93 <220> FEATURE:
 94 <221> NAME/KEY: MOD_RES
 95 <222> LOCATION: (5)..(17)
 96 <223> OTHER INFORMATION: Variable amino acid
 98 <220> FEATURE:
 99 <221> NAME/KEY: MOD_RES
100 <222> LOCATION: (19)..(20)
101 <223> OTHER INFORMATION: Variable amino acid
103 <220> FEATURE:
104 <221> NAME/KEY: MOD_RES
105 <222> LOCATION: (22)..(36)
106 <223> OTHER INFORMATION: This region may encompass 14 to 15 variable amino
107       acid residues
109 <220> FEATURE:
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111 <222> LOCATION: (38)..(42)
112 <223> OTHER INFORMATION: Variable amino acid
114 <220> FEATURE:
115 <221> NAME/KEY: MOD_RES
116 <222> LOCATION: (44)..(52)
117 <223> OTHER INFORMATION: Variable amino acid
119 <220> FEATURE:
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122 <223> OTHER INFORMATION: Variable amino acid
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      126   1               5                  10                  15
      128 Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      129              20                  25                  30
      131 Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
      132           35                  40                  45
      134 Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys
      135       50                  55
      138 <210> SEQ ID NO: 3
      139 <211> LENGTH: 32
      140 <212> TYPE: PRT
      141 <213> ORGANISM: Artificial Sequence
      143 <220> FEATURE:
      144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
      145       peptide motif
      147 <220> FEATURE:
      148 <221> NAME/KEY: MOD_RES
      149 <222> LOCATION: (3)..(5)
      150 <223> OTHER INFORMATION: This region may encompass 1 to 3 variable amino
      151       acid residues
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      155 <222> LOCATION: (12)..(13)
      156 <223> OTHER INFORMATION: Variable amino acid
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      160 <222> LOCATION: (20)
      161 <223> OTHER INFORMATION: Variable amino acid
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      164 <221> NAME/KEY: MOD_RES
      165 <222> LOCATION: (28)
      166 <223> OTHER INFORMATION: Variable amino acid
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      170 <222> LOCATION: (30)
      171 <223> OTHER INFORMATION: Variable amino acid
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      177 Ser Ala Gln Xaa Arg Lys Thr Ala Glu Asn Gln Xaa Arg Xaa Arg Lys
      178              20                  25                  30
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      185 <211> LENGTH: 25
      186 <212> TYPE: PRT
      187 <213> ORGANISM: Artificial Sequence
      189 <220> FEATURE:
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      191       peptide motif
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193 <220> FEATURE:
194 <221> NAME/KEY: MOD_RES
195 <222> LOCATION: (2)..(3)
196 <223> OTHER INFORMATION: Variable amino acid
198 <220> FEATURE:
199 <221> NAME/KEY: MOD_RES
200 <222> LOCATION: (5)..(21)
201 <223> OTHER INFORMATION: Variable amino acid
203 <220> FEATURE:
204 <221> NAME/KEY: MOD_RES
205 <222> LOCATION: (23)..(24)
206 <223> OTHER INFORMATION: Variable amino acid
208 <400> SEQUENCE: 4
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210     1               5                   10                  15
212 Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys
213             20              25
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/08/2004
PATENT APPLICATION: US/10/783,672A   TIME: 16:24:46

Input Set : A:\Slk2019u.app
Output Set: N:\CRF4\12072004\J783672A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:1; Xaa Pos. 1,2,4,5,6,7,9,10,11,12,13,14,15,16,17,19,20,22,23,24,25
Seq#:2; Xaa Pos. 2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,20,22,23,24,25,26
Seq#:2; Xaa Pos. 27,28,29,30,31,32,33,34,35,36,38,39,40,41,42,44,45,46,47
Seq#:2; Xaa Pos. 48,49,50,51,52,54,55
Seq#:3; Xaa Pos. 3,4,5,12,13,20,28,30
Seq#:4; Xaa Pos. 2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23,24
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L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
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